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MEMORANDUM FOR: Deputy Director for Intelligence

SUBJECT: ADP in Cartography

1. For the past two years, the Cartography Division, OBI, has been probing the potential application of ADP in map compilation and construction. Working very closely with OCS, the Division has reached the stage where initial successes in practical application now can be reported. Ten special projections have been programmed and a limited data-bank covering coastlines, political boundaries, and city locations have been developed and are on-call for certain map requirements.

2. The map of Kadana represents such an accomplishment. Prepared for the Office of Communications, this azimuthal equidistant map was compiled and plotted by automated means. Only the title, legend, and type for the city names were applied by hand. Seventy-five man-hours were used to prepare the map in contrast to several hundred that would have been required by hand methods. The Soviet-SAS Civil Air Agreement map, requiring a special projection centered on Moscow, involved only 9-10 man-hours to prepare by the assistance of computer-plotter techniques. Again, this is only a fraction of the normal man-hours required to prepare a unique map that is accurate only from the city of Moscow.

3. Automation in cartography is only in its infancy at the present time, but already we are able to supply special types of maps that formerly were impractical because of the excessive demand on man-hours.

/s/

JAMES A. BRAMMELL
Director of Basic Intelligence

Attachments a/s

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